

ABSTRACT OF THE DISCLOSURE

A method for bandwidth reservation for transmitting source data of varying data rate in a data network in which a transmission quality determinable in advance can be reserved, having the features of: for the source data stream, source parameters
5 in the form of a repetitive sequence of maximum volumes of data and associated times are determined; from these, a minimum bandwidth is determined by dividing the total volume of data by the total time per sequence; for a reserved bandwidth which is not smaller than the minimum bandwidth, a simulation is used to determine a buffer size and, optionally, a maximum bandwidth; and the bandwidth is reserved using the
10 stream parameters determined in this way - minimum bandwidth, maximum bandwidth, buffer size and reserved bandwidth.